

ZNAMENSKIY, S., inzh.

Technological charts of roadstead operations. Rech. transp. 19
no.8:12-13 Ag '60. (MIRA 14:9).

1. Dneprovskoye parokhodstvo.
(Harbors)

ZHAMENSKIY, S.I., inzhener.

Dispatch control over the use of ships. Rech.transp.15 no.717-8
Jl '56. (Inland water transportation) (MIRA 9:9)

77
12
Holliey, a new oil field in the Gorno area. A. S.
Gorbacheva and V. A. Zaytsevskii. Neftegaz Press
S. A. N. K. 1940, No. 29, p. 12. A detailed geological description
of oil area is presented. The condensate, which is of a
gasoline-base type, has a 0.033, water 1.27, pour point
14°, flash point 34°, composition C 4.0%, and carbon factor
2.0%, viscosity E_4 1.4 and E_{10} 0.13, initial bp. 99°,
1.31% distill. at 110-30°, 4.58% at 110-50°, 10.81% at
150-60°, 28.61% at 230-60°, 35.01% at 300-110°,
40.07% at 320-30°, residue 45.83%.

ZNAMENSKIY, V.A. (Voronezh); IVLEV, D.D. (Voronezh)

Equations for a viscoplastic solid at piecewise linear
potentials. Izv. AN SSSR. Mekh. i mashinostr. no.6:12-16
N-D '63. (MIRA 17:1)

BURSHTAR, M.S.; BELOV, K.A.; GASANGUSEYNOV, G.G.; ZNAMENSKIY, V.A.;
L'VOV, M.S.; PUSTIL'NIKOV, M.R.

Principal results of geological prospecting and problems of
regional investigations in the Northern Caucasus. Geol.
nefti i gaza 8 no. 1:23-29 Ja '64. (MIRA 17:5)

1. Severo-kavkazskiy sovet narodnogo khozyaystva i Vsesoyuznyy
nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy in-
stitut.

ZNAMENSKIY, V.A.; IVLEV, D.D. (Voronezh)

"On the equations of visco-plastic flow for piecewise-linear potentials"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 64.

ZNAMENSKIY, V.A.

Selection of methods for regulating beds of rivers receiving
water of drainage systems. Meteor. i gidrol. no.9:23-28 S
'61. (MIRA 14:8)

(Rivers—Regulation)

ZNAMENSKIY, V. A., CAND TECH SCI, "ALTERATION OF THE REGIME
OF RIVERS ACTING AS INTAKE FOR DRAINAGE SYSTEMS IN DEEPENING,
RECTIFICATION, AND COLLAPSE OF RIVER CHANNELS." MINSK, 1961.

(MIN OF HIGHER AND SEC SPEC ED BSSR. BELORUSSIAN POLYTECH
INST). (KL-DV, 11-61, 219).

-147-

ZNAMENSKIY, Vladimir Alekseyevich; FOVALYAYEV, V.M., red.izd-va;
FOSS, Yu.A., tekhn. red.

[On the way to other planets] Na puti k drugim planetam.
Voronezh, izd-vo Voronezhskogo univ., 1963. 61 p.

(MIRA 16:12)

(Space flight)

KARPEJKO, N.M., red.; ZNAMENSKIY, V.A., red.; PERSHINA, Ye.G., vedushchiy
red.; PEDOTOVA, I.G., tekhn.red.

[Oil and gas potentials of and prospecting trends in Ciscaucasia
and the Northern Caucasus; materials of the North Caucasian
petroleum workers' conference held in Krasnodar, January 15-21,
1958] Perspektivy neftegazonosnosti i napravlenie razvedochayixh
rabot na neft' i gaz na Severnom Kavkaze i v Predkavkaz'e. Moskva,
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1959.
242 p.

(MIRA 12:10)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennaya planovaya komissiya.
(Caucasus, Northern--Petroleum geology)

ZNAMENSKIY, V.A.

Changes in the stream flow following straightening of the
channel. Nauch.-tekhn.inform.biul.LPI no.1/2:125-132 '58.
(MIRA 12:6)

(Hydrodynamics)

14(10)

SOV/112-59-3-4584

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 44 (USSR)

AUTHOR: Znamenskiy, V. A.

TITLE: Change in the Stream Conditions After Waterway Straightening
(Izmeneniye rezhima potoka posle spryamleniya rusla)

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1958,
Nr 1-2, pp 125-132

ABSTRACT: Bibliographic entry.

Card 1/1

ZNAMENSKIY, V.A.

Determining the rational disposition of sewage outlets and
water intakes by means of operating with large-scale models
of natural bodies of water. Trudy GGI no.117:161-168 '64
(MIRA 18:1)

ZNAMENSKIY, V.A.

Estimating channel stability of regulated rivers on the basis of
morphometric relationships. Meteor. i gidrol. no.6:13-16
Ja '60. (MIRA 13:6)

(Rivers--Regulation)

1. KUKANOV, N. M. - ZNAMENSKIY, V. A.
2. USSR (600)
4. Ural Mountains - Water, Underground
7. Preliminary hydrogeological survey of the subterranean waters in the regions of the western Ural Permian Foothills, (Abstract.) Izv.Glav. upr.geol.fon. no. 3, 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

1. KUKANOV, V. M. - ZNAMENSKIY, V. A.
2. USSR (600)
4. Water, Underground - Ural Mountains
7. Preliminary hydrogeological survey of the subterranean waters in the regions of the western Ural Permian foothills. (Abstract.) Izv.Glav.upr.geol.fon. no.3, 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

ZNAMENSKIY, Vladimir Alekseyevich; VOROTNIKOVA, R.V., red.; GERADZSKAYA,
P.G., tekhn.red.

[A new step into the space] Novyi shag v kosmos. Voronezh,
Voronezhskoe knizhnoe izd-vo, 1959. 18 p. (MIRA 13:1)
(Lunar probes)

ZNAMENSKIY, V.A.

Possibility of applying Chezy formula to the calculation of river
floods. Meteor. i gidrol. no.6:41-42 Je '61. (MIRA 14,5)
(Floods)

ZNAMENSKIY, V.A.; LEBEDEV, N.F.; AGEROV, D.L.

Accelerated identification of the plague microbe using fluorescent
antibodies. Trudy VladIEMG no.2:191-198 '62. (MIRA 18:3)

ZNAMENSKIY, V.A.

Variations of the fluorescent antibodies method for accelerated identification of the plague microbe. Trudy VladIEMD no.2;
198-202 '62. (MIRA 18:3)

IVANENKO, T.P.; SHAPIRO, M.I.; ZNAMENSKIY, V.A.

Use of the fluorescent antibodies method for the detection of
bacteria of the *Salmonella* genus. Trudy VladIEMG no.2:244-
247 '62. (MERA 18:5)

1. Iz Vladivostokskogo nauchno-issledovatel'skogo instituta
epidemiologii, mikrobiologii i gigiyeny.

SHARDANOV, A.N.; ZNAMENSKIY, V.A.

Map volcanoes and oil potential of the Taman Peninsula,
Geol. nefti i gaza 9 no.6:36-40 Je '65. (MIRA 18:8)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchno-
issledovatel'skogo instituta i ob'yedineniye Krasnodarneftegaz.

VERVEYKO, N.D. (Voronezh); ZNAMENSKIY, V.A. (Voronezh)

Flow of an elastoplastic medium in a curved circular pipe in case of a constant pressure drop. Izv. AN SSSR. Mekh. no.5:169-171 S-0 '65.
(MIRA 18:10)

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ACC NR: APC011579

~12 min/cm. The dependence of the latter factor on the partial importance of the radiation

4

ZNAMENSKIY V. F.

AGGEYEV, P.K., prof.; ANDREYEVA-GALANINA, Ye.TS., prof.; BASHENIN, V.A., prof.; BENENSON, M.Ye., doktor med.nauk; VYSHEGORODISHEVA, V.D., prof.; GESSEM, A.I., dotsent; GUTKIN, A.Ia., prof.; ZHIDANOV, D.A., prof., laureat Stalinskoy premii; ZNAMENSKIY, V.F., prof.; KLIONSKIY, Ye.Ye., prof.; MONASTYRSKAYA, B.I., prof.; MOSKVIN, I.A., prof.; MUCHNIK, L.S., kand.med.nauk; PETROV-MASLAKOV, N.A., prof.; RUBINOV, I.S., prof.; RYSS, S.M., prof.; SMINOV, A.V., prof., zasluzhennyy deyatel' nauki; TIKHOMIROV, P.Ye., prof.; TROITSKAYA, A.D., prof.; UDINTSEV, G.N., prof.; UFLYAND, Yu.M., prof.; FEDOROV, V.K., prof.; KHILOV, K.L., prof., zasluzhennyy deyatel' nauki; VADKOVSKAYA, Yu.V., prof.; MARSHAK, M.S., prof.; PETROV, M.A., kand.med.nauk; POSTNIKOVA, V.M., kand.med.nauk; RAPOPORT, K.A., kand.biolog.nauk; ROZENTUL, N.A., prof.; YANKELEVICH, Ye.I., kand.med.nauk; LYUDKOVSKAYA, N.I., tekhn.red.

[Book on health] Kniga o zdrav'ye. Moskva, Gos.izd-vo med.lit-ry, Medgiz, 1959. 446 p. (MIRA 12:12)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Zhanov, Udintsev). 2. Leningradskiy sanitarno-gigiyenicheskiy meditsinskiy institut (for all, except Vadkovskaya, Marshak, Petrov, Postnikova, Rapoport, Rozentul, Yankelevich, Lyudkovskaya). (HYGIENE)

~~ZNAMENSKIY, V.P., professor, zavedyushchiy; POLIVANOVA, T.I., klinicheskiy ordinar.~~

Secretory function of the stomach in dyspepsias in infants. Vop.pediat. 21
no.4:21-25 JI-4g '53. (MLB 6:10)

1. Kafedra pediatrii Leningradskogo gosudarstvennogo sanitarno-gigiyenicheskogo
instituta. (Dyspepsia) (Gastric juice)

ZHAMEISKY, V. G., KOBOSHUNOVA, O. S.

"On the experimental investigation of the natural foci of infections nephrosonephritis in the far eastern Primorye," p. 119

Resyatoye soveshcheniye po parazitologicheskim problemam i prirodoznauchnym boloznuyem. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Science USSR and Academy of Science USSR, No. 1, 24thop.

ZNAMENSKIY, V.I., assistant

Use of Filatov's pedicle flap in resorative face surgery.
Stomatologija 40 no.4:28-30 Jl-Ag '61. (MIRA 12:11)

1. Iz kafedry chelyustno-litsevoy khirurgii (zav. - prof. A.A. Limberg) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M. Kirova (dir. - dotsent A.Ye. Kiselev) i chelyustno-litsevoego otdeleniya (zav. - starshiy nauchnyy sotrudnik A.T. Titova) Leningradskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - prof. V.S. Balakina).

(FACE—SURGERY)

PELORENKO, A.N., nauchn. red.; ~~ZEMENSKIY, V.L.~~, red.; SERGEIEVA, N.A., red.

[Exhibition on "Seismic prospecting methods"; a catalogue: Work methods. Apparatus and equipment] Vsemirnicheskata vystavka, "Seismicheskie metody poiskov i razvedki poleznykh iskopnemykh"; katalog: Metodika rabot. Apparatura i obrudovanie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedor, 1963. 91 p. (MIA. 17:11)

1. Moscow. Vystava dostizheniy narodnogo khozyaystva SSSR. Pavil'on "Geologiya."

ZHAMENSKIY, V.I.

Restoration of the cheek with a pediculate flap in continuously open, through defects. Trudy Len.gos.nauch.-issl.inst.travn. i ortop. no.7:279-283 '58. (MIRA 13:6)

1. Iz chelyustno-litsevogo otdeleniya Leningradskogo gosudarstvennogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii.

(CHEEK--SURGERY)

YERMILOVA, Lidiya Pavlovna; ZNAMENSKIY, V. L., red. izd-va; GUS'KOVA, O.M., tekhn. red.

[Minerals of the Karaoba molybdenum-tungsten deposit in central Kazakhstan] Mineraly molibdeno-volframovogo mesto-rozhdeniya Karaoba v Tsentral'nom Kazakhstane. Moskva, Izd-vo "Nauka," 1964. 174 p. (MIRA 17:3)

AKSEL'RUD, Semen Borisovich; ZHAMENSKIY, V.L., red. i zia-va; BIKOVA,
V.V., tekhn. red.

[Organization of exploratory drilling crews] Organizatsiia
geologorazvedochnykh burovых partii. Moskva, Gosgeoltekhn-
izdat, 1963. 83 p. (MIRA 17:3)

ZNAMENSKIY, V.M.

137

PHASE I BOOK EXPLOITATION 807/9485

Vsesoyuznoye soveshchaniye po vvedeniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyya izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pribyry s istochnikami radioaktivnykh izlucheniij, radiatsionnaya khimiya, khimicheskaya i neftopererabatyvayushchaya promyshlennost'. (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum-Refining Industry) Moscow, Gosoptekhizdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tehnicheskiy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'sovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitain, Ya. M. Kolotyrkin, N.P. Syrkin and R.F. Razin; Executive Eds.: Ye. S. Levina and B. F. Titetskaya; Tech. Ed.: E.A. Mukhina.

Card 1/12

Radioactive Isotopes (Cont.)

607/5486

137

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrów SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrów SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrów SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

Card 2/12

Radioactive Isotopes (Cont.)

sov/5486

Svilans, M.P. Development of Instruments Using Radioactive Isotopes at the VEF Plant

131

Barabanov, B.V., E. Ya. Vaynu, V.M. Znamenskiy, K.K. Shipor, and V.A. Yamushkovskiy. Standardization of Instruments With Radioactive Isotope Sources for Measuring the Thickness of Sheet Materials and Coatings

134

Zhdanov and Makarov. High-Speed Automatic Signal Indicator for Detecting the Breaking Out of Fires

137

Balabina, G.V. Utilization of Bremsstrahlung X-Ray Radiation for Materiaiology

141

Arkhangel'skiy, A.A., and S.A. Stepanov. Instruments for Checking Air and Surface Pollution by Soft β -Radiators

144

Starik, I. Ye., V.P. Shamov, Kh. A. Arslanov, and A.P. Zharkov. Measurement of Small Quantities of C^{14} by the Scintillation Method

147

Vasil'yev, A.G., and K.S. Klempner. Methods of Comparative Testing of Relays With Radioactive Sources and Problems of Terminology in the Definition of Basic Parameters

151

Card 6/12

S/263/62/000/007/003/014
1007/1207

AUTHOR: Barabanov, B. V., Vaynu, E. Ya., Znamenskiy, V. M., Shpor, K. K. and Yanushovskiy, V. A.

TITLE: Standard radioactive thickness gage for measuring the thickness of coatings and sheet materials

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. Ismeritel'naya tekhnika, no. 7, 1962, 11, abstract 32.7.70. Collection "Radioakt. izotopy i yadern. izluchenyya v nar. kh.-ve SSSR", Moscow, Gostoptekhizdat, v. 1, 1961, 134-140

TEXT: The economic effectiveness of standard radioactive thickness gages for the routine production control of various sheet materials is stressed. It is shown that standardization of radioactive measuring instruments, apart from conventional advantages (improved mass production, reduced prime cost, interchangeability, etc.) permits the use of standard radioactive sources. The paper presents data on the following radioactive measuring instruments produced at the Tallin pilot plant for control and measuring instruments: 1) Noncontact weighing gage of the БИВ-1 (BIV-1) type for continuously measuring the weight of a coating applied to a fabric. The gage works on the compensation principle and is provided with two ionization chambers. The weight-measuring range for surface coatings varies from 200 to 800 g/m², and the accuracy is 2%. The gages work with a Tl²⁰⁴ source; 2) The noncontact gamma-thickness gage of the ИТУ-495 (ITU-495)

Card 1/2

Standard...

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1007/I207

type (and of its variant the ИТШ-496 (ITSh-496) type) is used for the continuous measurement of thickness of a moving steel strip during the rolling operation. The measuring range varies from 0.05 to 1 mm, the accuracy is $\pm 1.5\%$. The device works on the compensation principle. The electrometric stage is operated by d.c. frequency-modulated circuitry; 3) The beta-thickness gage of the БТП-2 (BTP-2) type is designed for the sampling control of surface coatings. The device permits the measurement of thickness of surface coatings on materials the atomic number of which markedly differs from the atomic number of the coated support. Maximum value of measured thickness is 65 mg/m^2 ; 4) Universal radioactive thickness gage of the УРНТ-1 (URNT-1) type for sheet materials and coatings. The device works on the differential principle with automatic readjustment, for comparing the materials to be measured with a standard thickness. Description of the working principle is given and it is shown that by proper choice of the ionization chambers and radioactive sources it is possible to obtain a wide range of thickness measurements. There are 2 figures.

[Abstracter's note: Complete translation.]

Card 2/2

BULANKINA, M. M.; YAKOVLEV, B. V.; GOLUBINTSEVA, A. P.
ZHRIYEMRAEV, Zh. T.; ZNAMENSKIY, V. S.

Coordination conferences. Zashch. rast. ot vred. i bol. 5
no. 5:57-61 My '60. (MIRA 16:1)

(Plants, Protection of---Congressess)

ZNAMENSKIY, V.S.

Pistachio leaf pests in southeastern Turkmenistan. Izv. AN Turk.
SSR. Ser. biol. nauk no.6:87-90 '61. (MIRA 15:1)

1. Badkhyzskiy gosudarstvennyy zapovednik i Moskovskiy lesotekhnicheskiy
institut.
(TURKMENISTAN...PISTACHIO...DISEASES AND PESTS)

ZHAMENSKIY, V.S., lesopatolog

Pistachio seed eating insect *Megastigmus pistaciae*, Zashch.
raast. ot vred. i bol. 5 no. 8:33-34 Ag '60. (KITA 13:12)
(Pistachio--Diseases and pests)

ZNAMENSKIY, V. S.

Present state and tasks of forest protection. Zashch. rast.
ot vred. i bol. 5 no.6:58-59 Je '60. (MIRA 16:1)

(Forest protection--Congresses)

ZHANOVSKIY, V. F.

Medicine

Diagnostic technique and therapy in children's diseases, (Leningrad) Nediz, 1951.

9. Monthly List of Russian Accessions, Library of Congress, March 1952 ~~copy~~, Uncl.

KHOL'MYANSKAYA, D.V.; KOSHEVAYA, E.A., glavnnyy vrach; AROHOVICH, G.D., nauchnyy rukovoditel', professor; ZHAMINSKIY, V.F., professor.

Disorders of cerebral blood circulation in children. Vop.pediat. 21 no. 2:24-29 Mr-Apr '53. (MERA 6:6)

1. Nervnoye otdeleniye 2-oy gorodskoy detskoy klinicheskoy bol'nitsy.
(Brain--Diseases) (Blood--Circulation, Disorders of)

60

B-III-1

Minimizing of the lower Dose results. V. D. ZHANGHEI (Proc. Oncol. Sci. Meet. Saratov, 1987, 2, 210-211). Effects of minimizing study dose are reported and future possibilities discussed. B. T.

4.0.16.4 ESTABLISHING LITERATURE CLASSIFICATION

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~~ZNAJEMESENIE~~

Problem of stress relation in schizophrenia; preliminary communication.
Zh. nevropat. psichiat., Moskva 53 no.10:753-758 Oct 1953. (CIML 25:4)

1. Department of Psychiatry of Khar'kov Medical Institute and First
Psychiatric Clinic of the Ukrainian Psychoneurological Institute.

ZNAMENSKII, V. V.

"The Problem of Stress Relationships in Schizophrenia (Preliminary Communication)",
Zhurnal Nervopatologii i Psikiatrii imeni S.S. Korsakova, Vol 53, No 10, 1954,
pp 753-758

Trans

M-125, 24 Jan 55

ZNAMENSKIY, V. V.

Problem of relationship of forces in schizophrenia; preliminary survey. Zbir.
nevr. i psikh. 53 no.10:753-758 O '53. (MERA 6:10)

1. Kafedra psichiatrii Khar'kovskogo meditsinskogo instituta. 2. I Psichiatri-
cheskaya klinika Ukrainskogo psichoneurologicheskogo instituta.
(Schizophrenia) (Sulfur--Therapeutic use)

ZNAMENSKIY, V.V.

ZHAMENSKIY, V.V.

Nature of the gravitational field of the Volga-Ural interfluve and
its relation to tectonics. Trudy MNI no.14:23-35 '55.

(MILEA 8:11)

(Volga Valley--Gravity) (Ural Valley--Gravity)

ZNAMENSKIY, V. V.

RYABINKIN, L.A.; ZNAMENSKIY, V.V.

1. New data on recording multiple waves in seismic prospecting. Izv.
AN SSSR. Ser. geofiz. no.11:1316-1321 N '56. (MLRA 10:1)

1. Moskovskiy neftyanoy institut imeni I.M. Gubkina.
(Seismic waves) (Prospecting--Geophysical methods)

~~ZNAMENSKIY, V.V.~~

~~ZNAMENSKIY, V.V.; RYABINKIN, L.A.~~

First experimental data on controllable directional sensitivity
recording of seismic waves in the Aktiubinsk Province in the
Ural Mountain region. Trudy MNI no.18:140-156 '57. (MIRA 10:11)
(Aktiubinsk Province--Seismometry)

Znamenskiy, V.V.

RYABINKIN, L.A.; ZNAMENSKIY, V.V.

New data on recording short waves in seismographic geophysical exploration. Trudy MNI no.18:157-167 '57. (MIRA 10:11)
(Seismometry) (Prospecting-Geophysical methods)

Znamenskiy, V.V.
KAZAKOV, M.P.; *Znamenskiy, V.V.*

Southwestern margin of the Russian Platform. Trudy MNI no.19:19-32
'57. (MIRA 11:1)
(Russian Platform--Geology, Structural.)

KAZAKOV, Mikhail Pavlovich; CHARTOIN, Mikhail Mikhaylovich; MIKOV, Nikolai Ivanovich; VASIL'YEV, Tatyly Mikhaylovich; SHADOMSKY, Vladimir Vyacheslavovich; SHIFUL'-MULIUKOV, Rustem Bedirovich; POLOGIN, A.S., tekhn. red.

[Tectonics and history of the development of the Caspian Depression and adjacent regions in connection with questions of the presence of gas and petroleum] Tektonicheskoe stroenie i istorija razvitiia Prikaspiskoi vpadiny i smezhnykh oblastei v sviazi s voprosami neftegazonosnosti. Pod red. M.P. Kazakova i M.M. Charygina. Moskva, Gos. nauchno-tehn. izd-vo neft. i gorno-toplivnoi lit-ry, 1958. 402 p. (MERA 11:9)

(Caspian Depression—Geology, Structural)

RYABINKIN, L.A.; ZHAGENSKIY, V.V.

Some characteristics of materials obtained by the use of
the controlled directional sensitivity method in the
Aktyubinsk area of the Ural Mountain region. Trudy MINEHIGP
no.26:67-82 '60. (MIRA 1316)
(Aktyubinsk Province--Seismic prospecting)

ZNAMENSKIY, V.V.

Interpreting the data of principal modification of the
controlled directional sensitivity method. Trudy MINKHIGP
no.26:43-51 '60. (MIRA 13:6)
(Seismic prospecting)

RYABINKIN, L.A.; ZHAMONSKIY, V.V.; PCHENKIN, Ye.S.

Using the controlled directional sensitivity method of seismic prospecting in the Aktyubinsk area of the Ural Mountain region. Trudy MINNKhGP no.26:113-145 '60.
(MIRA 13:6)
(Aktyubinsk Province--Seismic prospecting)

S/011/60/000/007/002/002
A054/A129

AUTHORS: Kazakov, M. P., Charygin, M. M., Bykov, R. I., Vasil'yev, Yu. M.,
Znamenskiy, V. V., Seyful'-Mulyukov, R. B.

TITLE: Comment on the review by G. Ye.-A. Ayzenshtadt, S. N. Koltypin,
and N. K. Trifonov on the book "Tectonic Structure and Evolution
History of the Pre-Caspian Lowland and Neighboring Areas With Ref-
erence to Their Oil and Gas Deposits"

PERIODICAL: Akademiya nauk SSSR. Izvestiya, seriya geologicheskaya, no. 7, 1960,
89 - 94 25.

TEXT: M. P. Kazakov's book referred to in the title was reviewed in Izves-
tiya akademii nauk SSSR, seriya geologicheskaya, 1960, no. 4, by G. Ye.-A. Ayzen-
shtadt, S. N. Koltypin and N. K. Trifonov. The review contains several mis-state-
ments which are refuted one by one by the authors of the book in question. As
distinct from Ayzenshtadt's review, the book contains the first maps of the facial
complexes and layer thicknesses for the entire Caspian Lowland, mainly for the
Jurassic system, and it covers a very large territory unknown until now. Contrary
to the book by Aysenshtadt et al., in which some parts of the Caspian area are

Card 1/3

S/011/60/000/007/002/002
A054/A129

Comment on the review...

dealt with only, Kazakov's book covers a much wider area and describes not only the thickness but also the facies of the entire Jurassic system. Based on an abundance of material, maps for extensive structures, such as those of Novobbgata, the Sagiz Highland, the Emba valley, etc. are published for the first time in geological literature. Ayzenshtadt's review criticizes the accuracy of the definition given for the thickness of the mesozoic stratigraphic complexes and mentions 5 points which are inaccurate. These 5 points, however, cannot be considered decisive in a series of tests covering 6,211 measurements, but Kazakov even succeeds in defending the accuracy of the five results objected to in the review. Of the statements made by Ayzenshtadt and his co-reviewers those referring to the Southern Emba plateau are the most important in connection with prospecting for oil and gas in this area. The review questions the data published in the book by Kazakov on the folded structures in the area referred to. However, by 10 deep drillings carried out recently, dislocated and metamorphic sediments of the paleozoicum were surveyed so that the statements contained in the book reviewed are fully confirmed. The data referring to the thickness of the Lower Carbon (more than 2,000 m) and of the Carbon (in total more than 2,500 m) were not correct, according to Ayzenstadt et al. However, the actual values obtained for this carbon layer are the following

Card 2/3

S/011/60/000/007/002/002
A054/A129

Comment on the review...

for the Upper Carbon: 422m, for the Medium Carbon: 490 m, for the Lower Carbon bed 1,429 m. Thus the entire depth of the carbon layers thus far established totals 2,341 m and this figure still does not represent the total thickness of the Carbon bed. Similarly, all the other criticism put forward by the review is refuted by the authors of the book, not only with the aid of their own material, but also with reference to other books and especially to the surveys and studies carried out by the Vsesoyuznyy aerogeologicheskiy trest (All-Union Aerogeologic Trust) and the Vsesoyuznyy neftyanoy geologo-razvedochnyy institut (All-Union Oil-Geologic Prospecting Institute). There are 11 Soviet-bloc references.

Card 3/3

ZNAMENSKIY, V. V.

PHASE I BOOK EXPLOITATION SOV/6278

Ryabinkin, Lev Aleksandrovich, Yuriy Viktorovich Napalkov, Vladimir
Vyacheslavovich Znamenskiy, Yuriy Nikolayevich Voskresenskiy,
and Miron Borisovich Rapoport.

Teoriya i praktika seysmicheskogo metoda RNP (Theory and Practice of
of the Seismic Method of Controlled Directional Reception). Moscow,
Gostoptekhizdat, 1962. 293 p. (Series: Moscow. Institut neftekhimi-
cheskoy i gazovoy promyshlennosti. Trudy, vyp. 39). 3000 copies printed.

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'nogo
obrazovaniya RSFSR, and Moskovskiy ordena trudovogo krasnogo znameni
Institut neftekhimicheskoy i gazovoy promyshlennosti im. I. M. Gubkina.

Editorial Board: Resp. Ed.: K. F. Zhigach, Professor, I. M. Muravyev,
Professor, E. I. Tagiyev, Professor, E. A. Bakirov, Candidate of Geo-
logical and Mineral Sciences, M. M. Charygin, Professor, F. F.
Dungyev, Professor, I. A. Charnyy, Professor, N. I. Chernozhukov,

Card 1/2

Theory and Practice (Cont.)

SOV/6278

Professor, Ye. M. Kuzmak, Professor, V. N. Dakhnov, Professor, G. M. Panchenkov, Professor, N. S. Nametkin, Professor, N. A. Almazov, Docent, A. A. Tikhomirov, Candidate of Economic Sciences, V. I. Biryukov, Candidate of Technical Sciences, V. I. Yegorov, Candidate of Economic Sciences, and V. M. Gurevich; Executive Ed.: Ye. G. Pershina; Tech. Ed.: Z. I. Yakovleva.

PURPOSE: This publication is intended for engineers and geologists concerned with seismic prospecting for oil and gas. It may also serve as a manual for seismic exploration with the method of controlled directional reception.

COVERAGE: The book outlines the method of controlled directional reception of seismic waves (RNP) used in geophysical prospecting. Problems connected with this method are analyzed with special emphasis on the problem of resolving power. There are 126 references: 114 Soviet, 11 English, 1 German.

Card 2/2

ZNAMENSKIY, V.V.; RYABINKIN, L.A.; PETROV, L.V.; VARTANOV, S.P.;
GAGEL'GANTS, A.A.; KOTLYAREVSKIY, B.V.; LOZOVSEAYA, I.F.;
LYAKHOVITSKIY, F.M.; MAR'IN, N.I.; OSTROVSKIY, V.D.; PARIYSKAYA,
G.N.; RIKHTER, V.I.; RUBO, V.V.; SLUTSKOVSKIY, A.I.; TARUTS,
G.M.; TURCHANENKO, N.M.; SHMIDT, N.G.; SHNEYERSON, M.B.; GURVICH,
I.I., red.; BORUSHKO, T.I., red.izd-va; GUROVA, O.A., tekhn. red.

[Instructions for seismic prospecting] Instruktsiya po seismorazvedke. Moskva, Gosgeoltekhnizdat, 1962. 95 p. (MIRA 15:12)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany nedr.
(Seismic prospecting)

ZNAMENSKIY, V.V., kand. geol.-miner. nauk; RYABINKIN, L.A., dots.,
kand. tekhn.nauk, otd. red.

[Prospecting geophysics; methodological handbook of
laboratory and practical problems for correspondence
students majoring in "Geophysical methods of prospect-
ing for mineral deposits"] Razvedochnaia geofizika; ne-
metodicheskoe rukovodstvo po laboratornym i prakticheskim
zaniatiiam dlja studentov-zaochnikov po spetsial'nosti
"Geofizicheskie metody razvedki mestorozhdenii poleznykh
iskopaemykh." Moskva, Rosvuzizdat, 1962. 22 p.

(MIRA 16:6)

(Prospecting—Geophysical methods)

ZNAMENSKIY, V.V.; TSZYAN TSZIN'-TSIN [Chiang Gh'in-Ch'ing]

Using the controlled directional method of seismic prospecting in
the crystalline basement of the Volga-Ural region. Razved. i
prom. geofiz. no.47:3-12 '63. (MIRA 16:3)
(Volga-Ural region--Seismic prospecting)

ZNAMENSKIY, V.V.; KHVILEVITSKIY, M.O.

Using the controlled directional sensitivity method for regional seismic prospecting in the Caspian Lowland. Trudy MINKHIGP no.50:
27-66 '64
(MIRA 18:2)

DMITRIYEV, L.V.; ZNAMERSKIY, Ye.B.

Distribution of titanium in granites [with English summary in
insert]. Geokhimiia no.4:48-49 '56. (MLRA 9:11)

1. Institut geokhimi i analiticheskoy khimii imeni
V.I. Vernadskogo Akademii nauk SSSR, Moskva.
(Titanium) (Granite)

ZNAMENSKIY, Ye.B.; RODIONOVA, L.M.; ZAKHARA, M.N.

Distribution of niobium and tantalum in granites [with summary
in English]. Geokhimiia no.3:222-225 '57. (MIRA 10:7)

1. Institut geokhimii i analiticheskoy khimii im. V.I. Vernadskogo
AN SSSR, Moskva.
(Niobium) (Tantalum) (Granite)

ZHAMENSKIY, Ye.B.

Average content of niobium and tantalum in igneous rocks and
the earth's crust.[with summary in English]. Geokhimiia no.8:
730-734 '57. (MIRA 11:2)

1.Institut geokhimi i analiticheskoy khimii im. V.I. Vernadskogo
AN SSSR, Moskva.

(Rocks, Igneous) (Niobium) (Tantalum)

AUTHOR: Znamenskiy, Ye. B.

7-1-10/12

TITLE: On the Geochemistry of Titanium in the Intrusive Process of
the Granite Series (K geokhimii titana v intruzivnom protsesse
granitnogo ryada)

PERIODICAL: Geokhimiya, 1958, Nr 1, pp. 90-95 (USSR)

ABSTRACT: The average contents of TiO_2 in granites amount to 0,39 %.
Granite pegmatites contain only 0,06 % TiO_2 on the average.
This deconcentration of titanium during the intrusive process
was investigated at the Kalbin massif in East Kazakhstan.
This process can be divided into the following phases:
1) Main phase: medium-grained, slightly porphyritic, and
porphyritic biotite granites of the so-called Kalbin type;
more than 65% of the massif.
2) Phase of subsequent intrusion, macrocrystalline, mostly
potash biotite granites of the so-called Monastyr type.
3) Phase of dike rocks, which is further divided into:
a) Dike rocks of the first epoch, microcrystalline
biotite granites, but also aplites, pegmatites,

Card 1/3

On the Geochemistry of Titanium in the Intrusive Process of
the Granite Series 7-1-10/12

granite porphyries and quartz-cassiterite veins.

b) Dike rocks of the second epoch, lamprophyres and
quartz veins with sulphide mineralization.

According to this classification the contents of titanium
of various samples were investigated according to the
Ponomarev method (reference 7). The investigation shows:

1) The distribution of titanium is irregular, every facies
has a characteristic proportion of titanium.

2) This proportion is highest in the granite rocks of the
apical facies of the first intrusive phase (0,80 %), then
follow the granites of the main facies of the first phase
(0,33 %), then the granites of the second phase (0,25 %),
of the third phase (0,09 %), and finally the pegmatites
(0,02 %). Thus titanium is bound in the first phases as
biotite and ilmenite, the following phases show a deconcen-
tration of titanium.

3) In the massif the main facies of the first phase are most
frequent, they are also least subject to the influence of
assimilation. Their average contents of titanium are close
to the data given by R. O. Deli and A. P. Vinogradov for
granites. There are 5 tables and 10 references, all of which

Card 2/3

On the Geochemistry of Titanium in the Intrusive Process of the Granite Series 7-1-10/12

are Slavic.

ASSOCIATION: Institute for Geochemistry and Analytical Chemistry imeni V. I. Vernadskogo AN USSR, Moscow (Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo AN SSSR, Moskva)

SUBMITTED: November 15, 1957

AVAILABLE: Library of Congress

1. Geochemistry 2. Titanium-Determination 3. Granite

Card 3/3

STAVROV, O.D.; ZNAMENSKIY, Ye.B.

Distribution of rare alkalies and mineralizer elements (B, F) in
granitoids of the Kalba Massif (eastern Kazakhstan). Geokhimiia
no.12:1108-1114 '61. (MIRA 15:3)

1. All-Union Scientific Research Institute of Mineral Raw Materials
and Institute of Geochemistry, Siberian Branch of the Academy of
Sciences of U.S.S.R., Irkutsk.
(Kalba Range—Geochemistry)

ZNAMENSKIY, Ye.B.; KONUSOVA, V.V.; KRINBERG, I.A.; POPOVITOV, E.I.;
FLEEROVA, K.V.; TSYKHANSKIY, V.D.

Distribution of titanium, niobium, and tantalum in granitoids
containing sphenes. Geokhimiia no.9:800-805 '62.

1. Institute of Geochemistry, Siberian Branch of the
Academy of U.S.S.R., Irkutsk.

(Geochemistry)

(MIRA 15:11)

ZNAMENSKIY, YE.B.

"On the average contents of niobium and tantalum in granitoids."

Report to be presented at the Conference on Chemistry of the Earth's Crust,
Moscow, 14-19 Mar 63

TAUSON, L.V., doktor geol.-miner. nauk, otv. red.; ZNAMENSKIY,
Ye.B., red.; LIN, N.G., red.; POZHARITSKAYA, L.K., red.,
red.; SHMAKIN, B.M., ZNAMENSKIY, L.V., red.; VOLKOVA,
V.V., tekhn. red.; SIMKINA, G.S., tekhn. red.

[Geochemistry of rare elements in igneous rocks] Geokhimiya redkikh elementov v izverzhennykh gornykh porodakh.
Moskva, Izd-vo "Nauka," 1964. 152 p. (MIRA 17:3)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut
geokhimii.

124-58-9-10657

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 169 (USSR)

AUTHOR: Znamenskiy, Ye. M.

TITLE: A Contribution to the Understanding of the Impact Strength of Lumber (K izucheniyu udarnoy prochnosti drevesiny)

PERIODICAL: V sb.: Issledovaniya prochnosti i deformativnosti drevesiny. Moscow, Gos. izd-vo lit. po str-vu i arkhitektury, 1956, pp 141-157

ABSTRACT: The transverse flexure of two series of flawless standard wood specimens was investigated: pine in the first series and pine and spruce in the second series. The author employed electric transducers and other electronic equipment and succeeded thereby to record the strains and obtain a picture of the dynamic impact strength and behavior of wooden materials. It is established that the pressure exerted by the high-speed response of the wooden specimens during impact bending is linearly proportional to the impact speed and that it does not evoke any additional bending stresses therein. A clearly defined region of inelastic working of the wood was made evident, also a noticeably heightened value (as compared with

Card 1/2

124-58-9-10657

A Contribution to the Understanding of the Impact Strength of Lumber

the static value) of the reduced modulus of elasticity. The strain rate of the wood during the application of the load, in several cases, was clearly reflected in its strength and strain characteristics.

V. F. Ivanov

1. Wood--Mechanical properties 2. Wood--Analysis

Card 2/2

AUTHOR:

Znamenskiy, Yu., Member of the Film Section
of the Leningrad House of Scientists 29-58-5-2/26

TITLE:

Fascinating and Useful (Uvlekatel'no i polezno)

PERIODICAL:

Tekhnika Molodezhi, 1958, Nr 5, 12 (USSR)

ABSTRACT:

After all the arguments which arose on the occasion of the organisation of independent film studios had calmed down, the author says. An amateur film can also be produced by one person only. Such an universal amateur produces everything himself from beginning to end. He writes the book, takes the pictures, works and equips his film with sound. It is, however, better to do all this work in a collective. In an amateur studio there are, however, no limited special works, and every collaborator must be able to do any work. The production of an amateur film is very fascinating, but it is at the same time tedious and takes much time, it also needs much patience and persistence. There are, however, also films the taking of the pictures of which needs great skill. These are the "Quick"-films taken by a reversible narrow film. The originators of this "Quick"-film are the film amateurs

Card 1/2

Fascinating and Useful

29-58-5-2/26

stage workers Tamara Ptitsyna and Leonid Maslyukov. During the intervals of a performance and between the acts the inventors took the pictures, developed them, glued them together projected it on the screen. An amateur cinema is not only actually fascinating but also useful by creating documents which fix the manifold character of the today's life and hands it down to our successors.

1. Motion pictures--Production

Card 2/2

ZNAMENSKIY, Yu. (g. Leningrad)

Photoclub in a school. Politekhnichesk. no. 5193-94 My '59.
(Photography--Study and teaching) (MIRA 12:7)

ZNAMENSKIY, Yu. (Leningrad)

Audio advertising. Sov. torg. 36 no. 2:51-52 p '63
(MIRA 16:4)

(Advertising)

ZNAMENSKIY, Yu. (Leningrad)

Lighting engineering at the service of advertising. Sov.
torg. 36 no.8:53-54 Ag '63. (MIRA 16:11)

ZNAMENSKIY, Yu., KHUDYAKOVA, E.

Dairy restaurant "Leningrad." Obshchestv.pit. no.1433 Ja '63.
(MIRA 16:4)
(Leningrad--Restaurant, lunchrooms, etc.)

ZNAMENSKIY, Yu. (g. Leningrad)

Useful book on educational motion pictures ("Educational motion pictures for schools; annotated catalog and handbook." Reviewed by IU.Znamenskii). Politekh.obuch. no.9:91-92 S '59. (MIRA 12:12)
(Motion pictures in education)

ZHAMENSKIY, Yu.

"Motion pictures and industrial field trips in secondary schools"
by N.P. Ivashkevich. Reviewed by Iu.P. Znamenskii. Politekhnicheskaya
no.10:78-79 0 '58. (MERA 11:11)
(Motion pictures in education) (School excursions)

ZNAMENSKIY, Yu.

Using slides for improving instruction. Avt. transp. 33 no.5:
41 Ky '55.

(Visual instruction)

(MIRA 8:8)

ZHABENSKIY, Yu.

Wider use of motion pictures for miner education. Mast.ugl.5
no.7:29 Jl '56. (MIA 9:9)
(Motion pictures in education)

ZHAMENSKIY, Yu.

Films made by Leningraders. Sov. foto 18 no.9:57 S '58.
(Leningrad--Cinematography) (MFA 11:10)

ZNAMENSKIY, Yu. (Leningrad)

Let's give more attention to motion-picture advertising.
Sov. torg. 34 no.6:55-56 Je '61. (IRL 14:7)
(Motion pictures in advertising)

ZNAMENSKIY, Yu.A.

Calculation of the traction of a trawl as related to the hauling speed, resistance of the trawl and the catch. Trudy VNIRO no.47: 155-157 '62. (MIRA 18:4)

ZIMINSKIY, Yu.D., Cand Chem Sci — (disc) "The kinetics of nitration of calcium carbide." Dzerzhinsk, 1959. 14 pp. (GKhN UssR. State Scientific Research and Production Inst of the Nitrogen Industry GIAP. Dzerzhinsk Affiliate). 150 copies (KL, 39-59, 101)

13

AUTHORS: Gol'dberg, N. A., Znamenskiy, Yu. D. Sov/2p-12o-1-4p/63.

TITLE: The Kinetics of Calcium Carbide Nitrogenization (Kinetika azotirovaniya karbida kül'tsiya)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 1, pp. 148 - 150 (USSR)

ABSTRACT: Using the method of reference 1, the authors tested the influence of various additions (CaCl_2 , 99,2%; CaF_2 , 99,2%; BaF_2 , 99,7%; Na_2SiF_6 , 97,1%; NaF , 98,3%; and $\text{CaCN}_3 + \text{C}$) as well as of the partial pressure of nitrogen on the velocity of the reaction mentioned in the title. The polydisperser part of technical calcium-carbide (figure 1) was used for this purpose. The partial pressure of nitrogen was studied by using nitrogen-argon mixtures for calcium-carbide without additions at 1050° and at 1000° , and for calcium carbide of 1,5% CaF_2 . A comparison of experimental results in the case of all additions mentioned (figure 1) gives the kinetic equation $R_y = kT \cdot (1)$, where k denotes the speed constant and y time. The k -values are given in table 1. They satisfy the Arrhenius-equation (Arrhenius)

Card 1/3

The Kinetics of Calcium Carbide Nitrogenization

SOV/20-120-1-40/63

$k = k_0 e^{-E/RT}$ (2). The activation energy K (Kcal/g-Mol) and the pre-exponential terms k_0 (micron -minute) can be calculated on this basis. The results of these calculations show (figure 2) that the dependence of k on E is well expressed by the equation

$k_0 = k'_0 \cdot e^{aE}$, (3), here $k'_0 = 1,41$ (micron -minute), $a = 0,352$ (Kcal/g-Mol) $^{-1}$. To the authors' knowledge this dependence (3) was proved here for the first time as far as topochemical reactions are concerned, of which this reaction is one. When basing upon the conceptions of S. Z. Roginskiy's (References 8,10) theory the influence of accelerating mixtures can be explained through the activation of the reaction surface of calcium-carbide. Test results at varying partial pressure of nitrogen (figure 3) show this pressure and its corresponding speed constant related to the reaction as follows:

$k^{(P)} = \frac{k^{(P_0)}}{P_0} P$, (4), $k^{(P)}$ and $k^{(P_0)}$ being speed constants (micron-minutes) at a partial pressure of nitrogen P (in mm of

Card 2/3

The Kinetics of Calcium Carbide Nitrogenization

SOV/20-120-1-40/63

the mercury column) and a normal pressure P_0 . Thus, the nitrogenization reaction of calcium carbide develops, in relation to nitrogen, according to the first order. In conclusion a kinetic equation (5) generalizing all the authors' research results in this field is given. There are 3 figures, 1 table and 10 references, 7 of which are Soviet.

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti (State Scientific Research and Design Institute for the Nitrogen Industry)

PRESENTED: December 29, 1957, by S. I. Vol'fkovich, Member, Academy of Sciences, USSR)

SUBMITTED: December 24, 1957
1. Calcium carbide--Nitration 2. Mathematics--Applications

Card 3/3

GOL'DBERG, N. A.; ZNAMENSKIY, Yu. D.

Kinetics and mechanism of nitration of calcium carbide. Zhur. fiz. khim. 36 no.12:2748-2751 D '62. (MIR 16:1)

1. Gosudarstvennyy institut asotnyy promyshlennosti.

(Calcium carbide) (Nitration)

ZNAMENSKIY, Yu.D.; KISAROV, V.M.

Kinetics of acetone adsorption and desorption on commercial active coals. Dokl. AN SSSR 143 no.5:1156-1158 Ap '62.

(MIRA 15:4)

I. Dzerzhinskiy filial gosudarstvennogo nauchno-issledovatel'skogo instituta po promyshlennoy i sanitarnoy ochistke gazov. Predstavлено akademikom M.M.Dubininym.

(Acetone) (Adsorption) (Carbon, Activated)

BYLOV, V.D.; ZNAMENSKIY, Yu.D.; KAPITONOV, L.P.; SHCHEDROV, M.S.

Sulfuric acid method of recovering nitrogen oxides from
incompletely oxidized gases. Zhur.prikl.khim. 35 no.7:1503-
1505 Jl '62. (MIRA 15:8)

(Nitrogen oxide)

ACC. NO: A76003125

Source code: UR/003/16/09/05/1307/1311

Author: Zhuravskiy, Yu. N. | Report, V. M.

CITE: none

TITLE: Relation between the rate of adsorption and adsorbability of substances on activated carbons

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 6, 1966, 1307-1311

TOPIC TAGS: activated carbon, adsorption

ABSTRACT: It follows from experimental data on the adsorption of vapors of organic substances from a gas stream by various types of activated carbon that there is a linear relation for any one adsorbent between values of the coefficient of adsorption K_{ads} and the ratio $c_0/100(c_0 = \text{initial concentration of the substance})$, which may be regarded as a criterion of adsorbability of substances and is determined by the kind of adsorption isotherm obtained. The relations $K_{ads} = K'D \frac{1}{100} = \beta \frac{1}{100}$ apply, where D is the coefficient of diffusion and β a constant that varies with the type of activated carbon. There is a linear relation between $K'D$ and the coefficients of affinity β of the substances adsorbed. The value of $K'D$ depends relatively little on the gas velocity and the temperature. On the basis of the relations established, the value of K_{ads} for a substance

Card 1/2

UDC: 541.183 + 661.183.2

518.5 2084

L 10300-67

ACC NR: AP7003125

can be determined without carrying out a special experimental investigation. Because the rate of adsorption increases with the adsorptability of substances, one must assume that this rate is determined by the velocity of surface diffusion (migration) of substances along the walls of micropores of the adsorbent, volume and molecular diffusion in the larger pores leading to the micropores is relatively fast and has no significant effect on the rate of adsorption. Orig. art. has: 2 figures, 10 formulas and 2 tables. [JFRS: 38,967]

SUB CODE: 07 / SUBM DATE: 29Jun64 / ORIG REF: 008 / OTH REF: 002